

ABSTRACT OF THE DISCLOSURE

A foam barrier heat shield is provided having a layer of foam adhesively disposed between opposing first and second metallic outer layers. The foam is expanded in between the outer layers and is adhesively formed to the outer layers without the use of a separate adhesive. In addition to shielding heat, the heat shield is effective as a noise barrier and is internally damped against vibration. In a preferred embodiment, the foam is a substantially rigid polyurethane foam that is sufficiently pliant to be bent to and accommodate a particular shape and contour to which the heat shield will conform in use, and it is reversibly deformable acoustical deflections.